NT BOOK

mensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		IT - 31108-00	
		VAT - 124432-00	
		CDF - 31108-00	
		CSF - 3111-00	
		LR - 40526-00	
		Total - 230265-00	

SBRJO-37/16-17 31-5-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209122

BR-158/31-5-16

Serial No. 1st and final Bill
Name of Work ..... From ..... To .....
Name of Contractor of nature of Agency B-B-Wagh. Contractor
Date of commencement of work D.O. Recording 30/05/2016

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of Work :	Loop and Asphalting to Ashtavinayak layout main Road and Cross-Roads in Ward no. 1) (Kuempunagar)					
	Estimated cost Rs	35.00 lakhs					
	NIB. no	: 011-15-000006					
	Work order no	= EE/BJP/BBM/E-pm 4/221/2015-16 dt 16/2/2016					
	Head of A/c	= Sanctioned under CM-Grant-Nagarothan for the year - 2015-16 as per Circular Comm./PR/4741/15-16 dt. 16.07.2015					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(1)	Earthwork Excavation by manual means in ordinary soil, involving an average horizontal throw upto 2m and an average lift upto 0.5m, Excavated Surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breaking of clods Complete as per specifications and directions of Engineer in-charge of the work.						
					Brought this to B.P 209.91		
					Total (1) = 788.11 m³		64625.02
					≈ 821 m³		
2)	Earthwork Excavation by manual means in hard soil						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	involving an average horizontal throw upto 2m and an average lift upto 0.5m, Excavated Surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breaking of clods Complete as per specifications and directions of Engineer in-charge of the work.

OOK

h	Depth 6	Contents 7	Reference to last Measurement 8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Rearranging of B.d. slabs of drains and stacking etc complete as per the direction of Engineer-in-charge of the work.						
		Qty vide this MB p 209/96					80514.00
		As per (3)				1341.90 m² @ 60/m²	
(4)	Refixing stone slabs of drains and pointing in CM 1:3 etc complete as per the direction of Engineer-in-charge of the work.						
		Qty as per As per (1)				= 1341.90 m²	
						@ 80/m²	107352.00
5)	Providing and laying, spreading and compacting graded stone aggregate in wet mix Macadam specification, including						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Procuring the mate... mix plant. Carriage laying in uniform course on will p... Vibratory Roller to... per specification... the work.

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		dcy etc complete of the work.	
		MB p 209196	
		1341.90 y^2 @ 60/y^2	80514.00
		ng in CM 1:3	
		ness-in-charge	
		do. (1) 1341.904 y^2	
		@ 80/y^2	107352.00
		charge graded stone	
		ication, including	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209124

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Processing the material with water at OMC in mechanical mixing plant. Carriage of processed material by tipper lorries, laying in uniform layers with pavers in sub-base/base course on well prepared surface and compacting with vibratory Roller to achieve the desired density complete as per specifications, and directions of Engineer-in-charge of the work.					Orig vide this MB. p. no 209196	1186320.00
						do. (4) = 790.88 y^3	
						@ 1500/y^3	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6)	Clearing the Existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes of small pieds, sweeping with brooms or soft brushes and finally dusting with old gunny bags or ~~wiped~~ compressed air to Receive the bituminous treatment including costing all materials, labour, tools & machinery, Carriage complete as per specifications and direction of Engineer-in-charge of the work						
						Qty taken ~~from~~ from MB. No. 2604 P 83	
						MB. No. 2605 # PW. (1) = 5272.54 m²	79087.50
						e 15/42	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
7)	Providing and applying prime coat like cement over prepared surface using bitumen tar costing all material, L as per specifications a work.

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
...ace including cleaning ...mulsion with Hire ...ch bowser @ 5 kg/m² ...ning bags or ~~water~~ ...ng treatment including ...machinery, Carriage ...ches of Engineer-in-			
~~Total~~ ~~Less~~ P 26048			
... ① = 5272.5 m²			79087.50

@ 15/m²

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209125

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
7)	Providing & applying primer coat for surfaces of medium porosity like cement stabilized road base @ 1.0 kg/m² over prepared surface with S-S-bitumen Emulsion, using bitumen tanker fitted with spray set including carriage all material, Labour, Hiring machineries complete as per specifications & directions of Engineer-in-charge.						
	Qty as per ... ⑥					= 5272.5 m²	41389.125

@ 78.50/m²

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8)	Providing and laying semi-dense bituminous Concrete using Crushed aggregate of specified grading, premix and with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the Required grade, level and alignment. Rolling with smooth wheeled, vibratory and tandem Rollers to achieve the desired Compaction as per morth specification clause no. 508 Complete in all Respects as per specification using 1no - 120 TPH Capacity HMP With tender paver grading - II (25-30mm) With 5% - CRMB-55 grade - north etc complete as per						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Specification of dire
	(a) Ashray layout - 2
	3
	(b) Ashray layout 3
	CR

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
...ous Concrete using ...rg, proportions and with ...y the kit mix to ...e the Required ...ength obtained, ...he desired Compacting ...ss & Complete in ...ching ...s - 120 TPH ...dy - II (25-30mm) ...ete complete as per			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209126

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Specification of directions of Engineer-in-charge of the work						
	(a) Ashray layout 1st CR	1	30.00	$\frac{6.7+5.0}{2}$	0.025	4.39	
		1	30.00	$\frac{5.0+4.1}{2}$	0.025	3.41	
		1	30.00	$\frac{4.1+3.8}{2}$	0.025	2.96	
		1	29.50	$\frac{3.8+4.1}{2}$	0.025	2.91	
	(b) Ashray layout 3rd CRing	1	30.00	$\frac{5.2+4.9}{2}$	0.025	3.29	
		1	30.00	$\frac{4.9+4.55}{2}$	0.025	3.54	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.40	$\frac{4.55+4.1}{2}$	0.025 = 3.24		
		1	30.40	$\frac{4.1+4.8}{2}$	0.025 = 3.27		
		1	9.40	$\frac{4.5+4.8}{2}$	0.025 = 1.05		
	Ashraya layout - 5th Cross	1	30.40	$\frac{5.1+4.6}{2}$	0.025 = 3.56		
		1	30.40	$\frac{4.4+4.6}{2}$	0.025 = 3.38		
	31/5	1	30.40	$\frac{4.6+4.2}{2}$	0.025 = 3.30		
		1	30.40	$\frac{4.2+4.6}{2}$	0.025 = 3.36		
		1	10.40	$\frac{4.6+4.4}{2}$	0.025 = 1.17		
	Sriraya layout Cross Road	1	30.40	$\frac{5.2+5.0}{2}$	0.025 = 3.83		

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Checked. 31/5
	Tent Back side Road 2nd Cross

OK

Depth 6	Contents 7	Reference to last Measurement 8
Avg		
0.025 = 3.24		
0.025 = 3.27		
0.025 = 1.05		
0.025 = 3.56		
0.025 = 3.38		
0.025 = 3.30		
0.025 = 3.36		
0.025 = 1.13		
0.025 = 3.83		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209127

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Checked. 31/5	1	30.40	$\frac{5.0+4.8}{2}$	0.025 =	3.68	
		1	30.40	$\frac{4.8+5.0}{2}$	0.025 =	3.68	
		1	30.40	$\frac{5.0+5.0}{2}$	0.025 =	3.76	
		1	30.40	$\frac{5.0+5.2}{2}$	0.025 =	3.83	
		1	30.40	$\frac{5.2+5.1}{2}$	0.025 =	3.86	
		1	30.40	$\frac{5.1+5.2}{2}$	0.025 =	3.86	
	Trent Backbridge Road 2nd CRwy LHS	1	30.40	$\frac{4.2+4.2}{2}$	0.025 =	3.16	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Rms		
		1	30.00	$\frac{4.2+4.5}{2}$	0.025	= 3.26	
		1	8.00	$\frac{4.5+4.2}{2}$	0.025	= 0.87	
	Tent Boundary side Road - 2nd Cross - Road	1	30.00	$\frac{4.2+4.5}{2}$	0.025	= 3.26	
		1	30.00	$\frac{4.5+4.1}{2}$	0.025	= 3.23	
		1	10.00	$\frac{4.1+4.6}{2}$	0.025	= 1.09	
	3rd Cross - Road	1	30.00	$\frac{4.3+4.4}{2}$	0.025	= 3.26	
		1	30.00	$\frac{4.4+4.3}{2}$	0.025	= 3.41	
		1	20.00	$\frac{4.7+4.7}{2}$	0.025	= 2.35	
	Entrance - Road	1	30.00	$\frac{5.5+4.8}{2}$	0.025	= 3.86	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of wo
1	2
	Maguraty layout

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.025 = 3.26		
0.025 = 0.87		
0.025 = 3.26		
0.025 = 3.23		
0.025 = 1.08		
0.025 = 3.26		
0.025 = 3.41		
0.025 = 2.30		
0.025 = 3.86		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209128

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Mayuram Layout Main Rd	1	30.00	$\frac{4.8+4.9}{2}$	0.025 =	3.64	
		1	30.00	$\frac{4.9+4.8}{2}$	0.025 =	3.64	
		1	30.00	$\frac{5.0+4.6}{2}$	0.025 =	3.63	
		1	30.00	$\frac{4.6+4.6}{2}$	0.025 =	3.45	
		1	30.00	$\frac{4.6+4.9}{2}$	0.025 =	3.56	
		1	30.00	$\frac{4.9+4.5}{2}$	0.025 =	3.53	
		1	30.00	$\frac{4.5+4.8}{2}$	0.025 =	3.49	
		1	30.00	$\frac{4.8+4.6}{2}$	0.025 =	3.53	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cft Mowed	1	30.00	$\frac{4.6+4.6}{2}$	0.025	3.45 cft	
		1	22.50	$\frac{4.4+4.4}{2}$	0.025	2.59	
						131.87 cft	
				Ld. to.		131.81 cft	
					@ 11500/cft		15,15,815.00
(3)	Lead for Disposal of debris shall be payable as Conveyance rates by mechanical means including loading and unloading charges etc complete as per specifications and directions of Engineer-in-charge of work.						
						Qty as per est no. (1) + (2)	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	Certificate
	(1) Certified th
	Satisfa ch
	(2) The Cont
	work 'Bl

IT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
$\frac{4.6+4.6}{2}$	0.025	3.45 m³	
$\frac{4.6+4.6}{2}$	0.025	2.59	
		131.87 m³	
Ltd - ho.		131.81 m³	
	@ 11500/m³		15,15,815.00
be payable ab			
cluding lead, lift			
specifications of			
f work.			
If no. ① + ②			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209129

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		=	988.11 + 790.88 m³			= 1778.99 m³	
		Ltd ho.	1150.88 m³		@ 80/m³		92,000.00
					Total Rs		36,28,601.57

Certificate

① Certified that the contractor has work done satisfactorily.

② The contractor has removed the debris from work site.

30/05

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					2nd CR	119.5m	
						Ashraya Layout	
						3rd CROSS	
						129.00m	
						130.0m	
						3rd CROSS	
	Kuvempunagar main Road					Maginal Layout Main Road	
						232.50m	
						CROSS. Road	
	do					210.00m	
	30/5						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ac
Date of commencement of work ...

Date	Full description, etc, of w
1	2

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
			119.5m	
		2nd CR		
		Ashraya Layout		
		3rd CROSS		
		129.00m		
		130.0m		
		3rd CROSS		
...myLayout Main Road				
232.50m				
3rd Road				
.0m				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 209130

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
			Somudya Bhavan			90.00m	
					Entrance Road		
	3RD CROSS						
	60.00m						
	LHS		RHS				
			2ND CROSS				
	68.00m		70.00m				

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

BD-150
31/5/16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						IT-36266.00	
						VAT - 145064.00	
						LDF - 36266.00	
						CSF - 3627.00	
						SP - 42901.00	
						Total: 264124.00	

Audited & Admitted for Rs
3626600-00
3362476-00 by Cheque
and Rs 264124-00 by adjustment
Accts. Supdt
Byatarayanapura Dn
BBMP
18/6/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work

Date	Full description, etc, of
1	2